



DESIGN CHART	
DEPTH OF ROCK	CTR-CTR SPACING OF RAILS AND NO. OF ROWS
5'-9'	USE 48" SPACING- 1 ROW
10'-14'	USE 36" SPACING- 1 ROW
15'-19'	USE 24"- 1 ROW <u>OR</u> USE 48"- 2 ROWS
20'-24'	USE 24"- 2 ROWS <u>OR</u> USE 36"- 3 ROWS
25'+	USE 24" SPACING- 3 ROWS

- IF SOIL DEPTH EXCEEDS 5 FEET, THEN A 2' THICK CONCRETE CAP SHOULD BE USED TO TIE THE STEEL PILES TOGETHER UNLESS DIRECTED OTHERWISE ON THE DRAWINGS OR BY THE ENGINEER IN WRITING.
- MINIMUM PILE SIZE IS W8 X 40

NOTES:

1. IF DEPTHS TO ROCK EXCEED 20' THE ENGINEER MAY REQUIRE ADDITIONAL EXCAVATION.
2. BEAMS SHALL BE ORIENTED WITH FLANGES PERPENDICULAR TO POSSIBLE SLIDE MOVEMENT.
3. BEAMS SHALL BE ENCASED WITH GROUT FOR THE ENTIRE DEPTH OF THE HOLE.
4. BEAMS SHALL BE STRAIGHT AND STRUCTURALLY SOUND. NO SPLICING SHALL BE ALLOWED.

SEE AML 30-30-2 FOR CAP DETAILS

STEEL PILES FOUNDATION (AML 30-30-1)